

Corrector Prototype Beamline Test Planning and Status
May 25, 2007 1:00 pm
Craig Drennan

Introduction:

As mentioned in the previous minutes, we are planning to do a pre-shutdown installation and full power test of a new corrector package into the booster. This would test not only the corrector package but all of the other associated power supplies and controls.

We hope to have everything in place by July 9, 2007

This weeks meeting was short and only a few additional items of concern were brought up. The minutes of the May 11 meeting were substantial and can be found in the AD Document Database as Beams-doc-2792-v1.

NOTE: For next meeting we are requesting status of each of the sub-systems necessary for the prototype test. We want to know the expected delivery of component not yet available and to check off on the components that are in hand.

Please send any additions or corrections to these minutes to cdrennan@fnal.gov.

Those in attendance:

Bill Pellico, Kent Triplet, Eric Prebys, Craig Drennan

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Next Meeting: June 1, 2007, 1:00 pm in the Penthouse West Booster Tower

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9. Jeff Larson has reported that a bore-o-scope like camera is available for probing the cable penetration in the West Tower we expect to use for the magnet power cables in our test.

10. The tasks involved with running the magnet power cables are
- a) Test that the penetration is sound and has not collapsed.
 - b) Measure the distance from the power supplies to the enclosure end of the penetration.
 - c) Measure the distance from the enclosure end of the penetration to the corrector package. Ensure this length is the takes into account that the corrector will move upstream in the final installation.
 - d) Run the power cables for the single corrector packages.
 - e) Re-seal the penetration at the enclosure end. This requires contracting and coordinating with an outside vendor.

11. Jim Ranson will soon be preparing a list of what has to be turned off in order to make

the final power connections in the power supply rack.

12. Below is a list of the components we will need for the test.

☒ Corrector Package.

Current Estimate: Available

☐ Beam Position Monitor with bellows and flanges
(fabricated in-house)

Current Estimate: June 12, 2007

☐ Corrector stand with adjustment plate assembly

Current Estimate: _____

☒ Power cables for magnets (including cable for Klixon)

Current Estimate: Available

☒ Cable tray for West Tower

Current Estimate: Available

☒ AC power disconnects, conduit, power strips, etc.

Current Estimate: Available

☐ Power outage for final AC hook-up.

Current Estimate: _____

☐ Components needed for the LCW connection.

Current Estimate: _____

☐ Full Set of Switch Mode Power Supplies.

Current Estimate: _____

☐ Bulk power supply built in rack.

Current Estimate: _____

☐ CAMAC Crate and crate controller installed in rack.

Current Estimate: _____

☐ Six C473 Ramp Cards installed with ACNET devices assigned.

Current Estimate: _____

☐ Local cable assemblies for power supply control and status.

Current Estimate: _____

☐ HRM Chassis and VME Crate and modules installed with ACNET Devices

Current Estimate: June 6, 2007